(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 24 March 2005 (24.03.2005)

PCT

(10) International Publication Number WO 2005/026227 A1

(51) International Patent Classification⁷: 18/48, 18/76, A01G 9/14, 13/02

C08G 18/42,

(21) International Application Number:

PCT/US2004/029386

(22) International Filing Date:

10 September 2004 (10.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/502,536

12 September 2003 (12.09.2003) US

(71) Applicant (for all designated States except US): DOW GLOBAL TECHNOLOGIES INC. [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): PELED, Uri [IL/IL]; Givet Eden, Hanarkis Street 29/6, 30900 Zichron Yaakov (IL). CRAIN, Steven, P. [US/US]; 1905 Lori Court, Seabrook, TX 77586 (US).
- (74) Agent: MORSE, Jonathan. W.; The Dow Chemical Company, Intellectual Property, P.O. Box 1967, Midland, MI 48641-1967 (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVED AGRICULTURAL SOIL HEATING PROCESSES USING AROMATIC THERMOPLASTIC POLYURETHANE FILMS